ABSTRACT OF THE DISCLOSURE

Voice synthesis unit data stored in a phoneme database 10 is selected by a voice synthesis unit selector 12 in accordance with MIDI information stored in a performance data storage unit 11. Characteristic parameters are derived from the selected voice synthesis unit data. A characteristic parameter correction unit 21 corrects the characteristic parameters based on pitch information, etc. A spectrum envelope generating unit 23 generates a spectrum envelope in accordance with the corrected characteristic parameter. A timbre transformation unit 25 changes timbre by correcting the characteristic parameters in accordance with timbre transformation parameters in a time axis. Timbres in the same song position can be transformed into different arbitrary timbres respectively; therefore, the synthesized singing voice will be rich in variety and reality.